PCT09

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RAW SEQUENCE LISTING   DATE: 04/09/2002
PATENT APPLICATION: US/09/700,806   TIME: 13:12:39

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\04092002\I700806.raw**

```
        3 <110> APPLICANT: Shen, Ben-Quan
        4         Zioncheck, Thomas
        6 <120> TITLE OF INVENTION: MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF
        8 <130> FILE REFERENCE: P1735R1
       10 <140> CURRENT APPLICATION NUMBER: US 09/700,806
C--> 11 <141> CURRENT FILING DATE: 2002-03-12
       13 <150> PRIOR APPLICATION NUMBER: PCT/US00/30294
       14 <151> PRIOR FILING DATE: 2000-11-02
       16 <150> PRIOR APPLICATION NUMBER: US 60/163,132
       17 <151> PRIOR FILING DATE: 1999-11-02
       19 <160> NUMBER OF SEQ ID NOS: 4
       21 <210> SEQ ID NO: 1
       22 <211> LENGTH: 57
       23 <212> TYPE: DNA
C--> 24 <213> ORGANISM: Artificial
       26 <220> FEATURE:
       27 <221> NAME/KEY: Misc_feature
       28 <222> LOCATION: 1-57
       29 <223> OTHER INFORMATION: Sequence is synthesized.
       31 <220> FEATURE:
       32 <221> NAME/KEY: unsure
       33 <222> LOCATION: 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42
       34 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated
positions may
       35       be C or G
       37 <400> SEQUENCE: 1
W--> 38   cacgaagtgg tgaagttcnn sgatgtcnns nnscgcagcn nstgccatcc 50
       40   aatcgag 57
       42 <210> SEQ ID NO: 2
       43 <211> LENGTH: 42
       44 <212> TYPE: DNA
C--> 45 <213> ORGANISM: Artificial
       47 <220> FEATURE:
       48 <221> NAME/KEY: Misc_feature
       49 <222> LOCATION: 1-42
       50 <223> OTHER INFORMATION: Sequence is synthesized.
       52 <220> FEATURE:
       53 <221> NAME/KEY: unsure
       54 <222> LOCATION: 16, 17, 18, 22, 23, 24, 25, 26, 27
       55 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated
positions may
       56       be C or G
       58 <400> SEQUENCE: 2
W--> 59   gggggctgct gcaatnnsga gnnsnnsgag tgtgtgccca ct 42
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61 <210> SEQ ID NO: 3

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```
62 <211> LENGTH: 990
63 <212> TYPE: DNA
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 3
67   cagtgtgctg gcggcccggc gcgagccggc ccggccccgg tcgggcctcc 50
69   gaaaccatga actttctgct gtcttgggtg cattggagcc tcgccttgct 100
71   gctctacctc caccatgcca agtggtccca ggctgcaccc atggcagaag 150
73   gaggagggca gaatcatcac gaagtggtga agttcatgga tgtctatcag 200
75   cgcagctact gccatccaat cgagaccctg gtggacatct tccaggagta 250
77   ccctgatgag atcgagtaca tcttcaagcc atcctgtgtg cccctgatgc 300
79   gatgcggggg ctgctgcaat gacgagggcc tggagtgtgt gcccactgag 350
81   gagtccaaca tcaccatgca gattatgcgg atcaaacctc accaaggcca 400
83   gcacatagga gagatgagct cctacagca caacaaatgt gaatgcagac 450
85   caaagaaaga tagagcaaga caagaaaatc cctgtgggcc ttgctcagag 500
87   cggagaaagc atttgtttgt acaagatccg cagacgtgta aatgttcctg 550
89   caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag ttaaacgaac 600
91   gtacttgcag atgtgacaag ccgaggcggt gagccgggca ggaggaagga 650
93   gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700
95   cagaacgatc gatacagaaa ccacgctgcc gccaccacac catcaccatc 750
97   gacagaacag tccttaatcc agaaacctga aatgaaggaa gaggagactc 800
99   tgcgcagagc actttgggtc cggagggcga gactccggcg gaagcattcc 850
101   cgggcgggtg acccagcacg gtccctcttg gaattggatt cgccatttta 900
103   tttttcttgc tgctaaatca ccgagcccgg aagattagag agttttattt 950
105   ctgggattcc tgtagacaca ccgcggccgc cagcacactg 990
107 <210> SEQ ID NO: 4
108 <211> LENGTH: 191
109 <212> TYPE: PRT
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 4
113  Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu
114    1               5                  10                  15
116  Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
117                  20                  25                  30
119  Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
120                  35                  40                  45
122  Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
123                  50                  55                  60
125  Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
126                  65                  70                  75
128  Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
129                  80                  85                  90
131  Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln
132                  95                  100                 105
134  Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
135                  110                 115                 120
137  Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
138                  125                 130                 135
140  Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg
141                  140                 145                 150
```

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```
143   Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys
144                   155             160                 165
146   Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn
147                   170             175                 180
149   Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
150                   185             190
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/700,806**

DATE: 04/09/2002
TIME: 13:12:40

Input Set : **A:\EP.txt**
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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:45 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2